Release B CDR RID Report

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Originator Blazejewski, Michael **Phone No** 301-982-5414

Organization Intermetrics

E Mail Address IVV-RID@cclink.gblt.inmet.com

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Section N/A **Page** N/A **Figure Table** N/A

Category Name System Modeling/Sizing **Actionee** ECS

Sub Category

Subject HITS Lack of Progress Resolving Release A Modeling RIDs

Description of Problem or Suggestion:

RID ID CDR 88, generated by IV&V during the Release A CDR, and RID ID PDR 394, generated by Richard Rood during the Release A PDR, called out deficiencies in the HITS modeling and bechmarking activities. IV&V TIM-1066 provides details of the IV&V findings. HITS response to these RIDs included plans for benchmarking, prototyping and the development of an End-to-End model. The End-to-End model was briefed at the Release B IDR as the solution to all modeling concerns. The schedule for the ETE model was briefed to include two workshops and final results to be delivered at Release B CDR. As a result of this response RID ID PDR 394 was closed on 11/14/95 and RID ID CDR 88 was closed on 1/16/96.

While HITS was able to meet their milestones for the two modeling workshops, 1/96 and 2/96, they were unsuccessful in completing the modeling effort in time to present their results at the Release B CDR. The projected date for results has been pushed out to June 1996.

During the Release B CDR presentations, the lack of results were presented as being acceptable due to the fact that the initial purchase order for Release B is scheduled for August 1996. While this is a true statement for Release B, the original RIDs which were to be resolved through this ETE modeling effort were written against Release A modeling activities. It appears that the ETE model is being developed solely to support Release B hardware sizing, not Release A as indicated in HITS response to the original Release A RIDs.

Originator's Recommendation

The ETE modeling effort should be considered as a tool to support both the future release B hardware procurements and as a tool to verify that release A hardware procurements are appropriate to support release A system functionality. This can be accomplished by using the ETE model with the appropriate release A threads, since both release functionality and workload levels have changed.

GSFC Response by: **GSFC Response Date**

HAIS Response by: N. Singer **HAIS Schedule**

HAIS R. E. M. Armstrong **HAIS Response Date** 6/6/96

We will use the end-to-end model to analyze the release A design against the expected workload. The original modeling focused on the most critical workloads and the most critical subsystems, and end-to-end modeling will give a broader picture of overall system response in release A. Also, the most recent Technical Baseline will be used for this modeling: either June, 1996 (if available), or February, 1996.

Status **Closed** **Date Closed** **6/17/96** **Sponsor** **Daly**

****** **Attachment if any** ******